

WHAT IS CLAIMED IS:

1. A method for determining traffic conditions of selected routes using a wireless device, said method comprising:

receiving a number of signals at various times from vehicles traveling on said selected routes;

counting total number of the signals received on said selected routes;

comparing said total number of the signals with a predetermined value;

determining location of said vehicles at said various times on said selected routes if said total number of signals is greater than the predetermined value;

computing velocity of the vehicles at said various times on said selected routes based on said location information;

creating a traffic profile based on the location and computed velocity of the vehicles; and

sending said traffic profile of said selected routes to the vehicles.

2. The method of claim 1, further comprising:

periodically polling said wireless devices to track the location information of the vehicles traveling in said selected route.

3. The method of claim 2, wherein said traffic profile includes average velocity of the vehicles traveling in said routes, estimate time of arrival for said route, driving directions of said routes, driving directions of alternate routes, or combination thereof.

4. The method of claim 1, further including:
flagging the vehicle having a zero velocity.
5. The method of claim 1, further including continuously updating the traffic profile based on changes in location and velocity of the vehicles.
6. The method of claim 1, wherein said location of the vehicles is determined only when there are sufficient number of the vehicles traveling on said selected routes.
7. The method of claim 1, wherein said traffic profile is automatically sent to the vehicle via said wireless device.
8. The method of claim 1, wherein said traffic profile is sent to the vehicle via said wireless device only upon request.
9. The method of claim 1, wherein said traffic profile is sent in formats such as text, video, audio or the combination thereof.
10. A system for determining traffic conditions of selected routes, comprising:
a plurality of wireless devices, each said wireless devices being located in at least one vehicle traveling on said selected routes;

at least one wireless communications network coupled to the wireless devices for receiving a number of signals at various times from said wireless devices located in said vehicles traveling on said selected routes;

a processor coupled to said network for counting total number of signals and comparing the total number with a predetermined value, wherein said network determines a current location of said vehicles at said various times on said selected routes if said total number of signals is greater than the predetermined value; and

a central computer connected to said wireless communications network for computing velocity of said vehicles based on said current location received from the wireless communications network, and creating a traffic profile of said selected routes.

11. The system of claim 10, wherein said central computer includes a database for storing the location of the wireless devices received from the wireless communications network.

12. The system of claim 11, wherein said database includes record of each user of the wireless device, said record includes identity information of the user of the wireless device, the phone number of the wireless device, user's selection of automatically receiving traffic profile, user's selection of receiving traffic profile upon request, user's selection of method of receiving the traffic profile, or a combination thereof.

13. The system of claim 1, wherein said wireless device includes wireless phone, wireless computer, a wireless PDA, or a combination thereof.

14. The system of claim 1, wherein said traffic profile includes average velocity of the vehicles traveling in said routes, estimate time of arrival for said route, driving directions of said routes, driving directions of alternate routes, or combination thereof.

15. The system of claim 1, wherein said central computer coordinates with said wireless communications network for information needed to create said traffic profile.

16. The system of claim 1, further includes GPS device integrated with said wireless communications network for determining the location of the vehicles at said various times.

17. The system of claim 16, wherein said central computer coordinates with said GPS device for additional information needed to create the traffic profile.